

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/500,941
Source: Pct
Date Processed by STIC: 9-6-05

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 09/06/2005

PATENT APPLICATION: US/10/500,941

TIME: 11:22:22

Input Set : A:\13425-102US1.TXT

Output Set: N:\CRF4\09062005\J500941.raw

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4 <110> APPLICANT: Climent-Johansson, Isabel
5   Enerback, Sven
7 <120> TITLE OF INVENTION: PROTEIN COMPLEXES
9 <130> FILE REFERENCE: 13425-102US1
11 <140> CURRENT APPLICATION NUMBER: US 10/500,941
12 <141> CURRENT FILING DATE: 2004-07-08
14 <150> PRIOR APPLICATION NUMBER: PCT/SE03/00139
15 <151> PRIOR FILING DATE: 2003-01-28
17 <150> PRIOR APPLICATION NUMBER: US 60/377,349
18 <151> PRIOR FILING DATE: 2002-04-30
20 <150> PRIOR APPLICATION NUMBER: SE 0200265-7
21 <151> PRIOR FILING DATE: 2002-01-29
23 <160> NUMBER OF SEQ ID NOS: 12
25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 501
29 <212> TYPE: PRT
30 <213> ORGANISM: Homo sapiens
32 <400> SEQUENCE: 1
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34 1 5 10 15
35 Pro Tyr Leu Ser Glu Gln Asn Tyr Tyr Arg Ala Ala Gly Ser Tyr Gly
36 20 25 30
37 Gly Met Ala Ser Pro Met Gly Val Tyr Ser Gly His Pro Glu Gln Tyr
38 35 40 45
39 Ser Ala Gly Met Gly Arg Ser Tyr Ala Pro Tyr His His His Gln Pro
40 50 55 60
41 Ala Ala Pro Lys Asp Leu Val Lys Pro Pro Tyr Ser Tyr Ile Ala Leu
42 65 70 75 80
43 Ile Thr Met Ala Ile Gln Asn Ala Pro Glu Lys Lys Ile Thr Leu Asn
44 85 90 95
45 Gly Ile Tyr Gln Phe Ile Met Asp Arg Phe Pro Phe Tyr Arg Glu Asn
46 100 105 110
47 Lys Gln Gly Trp Gln Asn Ser Ile Arg His Asn Leu Ser Leu Asn Glu
48 115 120 125
49 Cys Phe Val Lys Val Pro Arg Asp Asp Lys Lys Pro Gly Lys Gly Ser
50 130 135 140
51 Tyr Trp Thr Leu Asp Pro Asp Ser Tyr Asn Met Phe Glu Asn Gly Ser
52 145 150 155 160
53 Phe Leu Arg Arg Arg Arg Arg Phe Lys Lys Lys Asp Val Ser Lys Glu
54 165 170 175
55 Lys Glu Glu Arg Ala His Leu Lys Glu Pro Pro Pro Ala Ala Ser Lys
56 180 185 190

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57 Gly Ala Pro Ala Thr Pro His Leu Ala Asp Ala Pro Lys Glu Ala Glu
58      195      200      205
59 Lys Lys Val Val Ile Lys Ser Glu Ala Ala Ser Pro Ala Leu Pro Val
60      210      215      220
61 Ile Thr Lys Val Glu Thr Leu Ser Pro Glu Ser Ala Leu Gln Gly Ser
62 225      230      235      240
63 Pro Arg Ser Ala Ala Ser Thr Pro Ala Gly Ser Pro Asp Gly Ser Leu
64      245      250      255
65 Pro Glu His His Ala Ala Ala Pro Asn Gly Leu Pro Gly Phe Ser Val
66      260      265      270
67 Glu Asn Ile Met Thr Leu Arg Thr Ser Pro Pro Gly Gly Glu Leu Ser
68      275      280      285
69 Pro Gly Ala Gly Arg Ala Gly Leu Val Val Pro Pro Leu Ala Leu Pro
70      290      295      300
71 Tyr Ala Ala Ala Pro Pro Ala Ala Tyr Gly Gln Pro Cys Ala Gln Gly
72 305      310      315      320
73 Leu Glu Ala Gly Ala Ala Gly Gly Tyr Gln Cys Ser Met Arg Ala Met
74      325      330      335
75 Ser Leu Tyr Thr Gly Ala Glu Arg Pro Ala His Met Cys Val Pro Pro
76      340      345      350
77 Ala Leu Asp Glu Ala Leu Ser Asp His Pro Ser Gly Pro Thr Ser Pro
78      355      360      365
79 Leu Ser Ala Leu Asn Leu Ala Ala Gly Gln Glu Gly Ala Leu Ala Ala
80      370      375      380
81 Thr Gly His His His Gln His His Gly His His His Pro Gln Ala Pro
82 385      390      395      400
83 Pro Pro Pro Pro Ala Pro Gln Pro Gln Pro Thr Pro Gln Pro Gly Ala
84      405      410      415
85 Ala Ala Ala Gln Ala Ala Ser Trp Tyr Leu Asn His Ser Gly Asp Leu
86      420      425      430
87 Asn His Leu Pro Gly His Thr Phe Ala Ala Gln Gln Gln Thr Phe Pro
88      435      440      445
89 Asn Val Arg Glu Met Phe Asn Ser His Arg Leu Gly Ile Glu Asn Ser
90      450      455      460
91 Thr Leu Gly Glu Ser Gln Val Ser Gly Asn Ala Ser Cys Gln Leu Pro
92 465      470      475      480
93 Tyr Arg Ser Thr Pro Pro Leu Tyr Arg His Ala Ala Pro Tyr Ser Tyr
94      485      490      495
95 Asp Cys Thr Lys Tyr
96      500
98 <210> SEQ ID NO: 2
99 <211> LENGTH: 514
100 <212> TYPE: PRT
101 <213> ORGANISM: Homo sapiens
103 <400> SEQUENCE: 2
104 Pro Ser Glu Lys Asn Glu Phe Ser Arg Arg Lys Arg Ser Lys Ser Glu
105 1      5      10      15
106 Asp Met Asp Asn Val Gln Ser Lys Arg Arg Arg Tyr Met Glu Glu Glu
107      20      25      30

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108 Tyr Glu Ala Glu Phe Gln Val Lys Ile Thr Ala Lys Gly Asp Ile Asn
109      35                      40                      45
110 Gln Lys Leu Gln Lys Val Ile Gln Trp Leu Leu Glu Glu Lys Leu Cys
111      50                      55                      60
112 Ala Leu Gln Cys Ala Val Phe Asp Lys Thr Leu Ala Glu Leu Lys Thr
113 65                      70                      75                      80
114 Arg Val Glu Lys Ile Glu Cys Asn Lys Arg His Lys Thr Val Leu Thr
115      85                      90                      95
116 Glu Leu Gln Ala Lys Ile Ala Arg Leu Thr Lys Arg Phe Glu Ala Ala
117      100                     105                     110
118 Lys Glu Asp Leu Lys Lys Arg His Glu His Pro Pro Asn Pro Pro Val
119      115                     120                     125
120 Ser Pro Gly Lys Thr Val Asn Asp Val Asn Ser Asn Asn Asn Met Ser
121      130                     135                     140
122 Tyr Arg Asn Ala Gly Thr Val Arg Gln Met Leu Glu Ser Lys Arg Asn
123 145                      150                      155                      160
124 Val Ser Glu Ser Ala Pro Pro Ser Phe Gln Thr Pro Val Asn Thr Val
125      165                      170                      175
126 Ser Ser Thr Asn Leu Val Thr Pro Pro Ala Val Val Ser Ser Gln Pro
127      180                      185                      190
128 Lys Leu Gln Thr Pro Val Thr Ser Gly Ser Leu Thr Ala Thr Ser Val
129      195                      200                      205
130 Leu Pro Ala Pro Asn Thr Ala Thr Val Val Ala Thr Thr Gln Val Pro
131      210                      215                      220
132 Ser Gly Asn Pro Gln Pro Thr Ile Ser Leu Gln Pro Leu Pro Val Ile
133 225                      230                      235                      240
134 Leu His Val Pro Val Ala Val Ser Ser Gln Pro Gln Leu Leu Gln Ser
135      245                      250                      255
136 His Pro Gly Thr Leu Val Thr Asn Gln Pro Ser Gly Asn Val Glu Phe
137      260                      265                      270
138 Ile Ser Val Gln Ser Pro Pro Thr Val Ser Gly Leu Thr Lys Asn Pro
139      275                      280                      285
140 Val Ser Leu Pro Ser Leu Pro Asn Pro Thr Lys Pro Asn Asn Val Pro
141      290                      295                      300
142 Ser Val Pro Ser Pro Ser Ile Gln Arg Asn Pro Thr Ala Ser Ala Ala
143 305                      310                      315                      320
144 Pro Leu Gly Thr Thr Leu Ala Val Gln Ala Val Pro Thr Ala His Ser
145      325                      330                      335
146 Ile Val Gln Ala Thr Arg Thr Ser Leu Pro Thr Val Gly Pro Ser Gly
147      340                      345                      350
148 Leu Tyr Ser Pro Ser Thr Asn Arg Gly Pro Ile Gln Met Lys Ile Pro
149      355                      360                      365
150 Ile Ser Ala Phe Ser Thr Ser Ser Ala Ala Glu Gln Asn Ser Asn Thr
151      370                      375                      380
152 Thr Pro Arg Ile Glu Asn Gln Thr Asn Lys Thr Ile Asp Ala Ser Val
153 385                      390                      395                      400
154 Ser Lys Lys Ala Ala Asp Ser Thr Ser Gln Cys Gly Lys Ala Thr Gly
155      405                      410                      415
156 Ser Asp Ser Ser Gly Val Ile Asp Leu Thr Met Asp Asp Glu Glu Ser

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```

157          420          425          430
158 Gly Ala Ser Gln Asp Pro Lys Lys Leu Asn His Thr Pro Val Ser Thr
159          435          440          445
160 Met Ser Ser Ser Gln Pro Val Ser Arg Pro Leu Gln Pro Ile Gln Pro
161          450          455          460
162 Ala Pro Pro Leu Gln Pro Ser Gly Val Pro Thr Ser Gly Pro Ser Gln
163 465          470          475          480
164 Thr Thr Ile His Leu Leu Pro Thr Ala Pro Thr Thr Val Asn Val Thr
165          485          490          495
166 His Arg Pro Val Thr Gln Val Thr Thr Arg Leu Pro Val Pro Arg Ala
167          500          505          510
168 Pro Ala
171 <210> SEQ ID NO: 3
172 <211> LENGTH: 524
173 <212> TYPE: PRT
174 <213> ORGANISM: Homo sapiens
176 <400> SEQUENCE: 3
177 Met His Val Glu Thr Gly Pro Asn Gly Glu Gln Ile Arg Lys His Ala
178 1          5          10          15
179 Gly Gln Lys Arg Thr Tyr Lys Ala Ile Ser Glu Ser Tyr Ala Phe Leu
180          20          25          30
181 Pro Arg Glu Ala Val Thr Arg Phe Leu Met Ser Cys Ser Glu Cys Gln
182          35          40          45
183 Lys Arg Met His Leu Asn Pro Asp Gly Thr Asp His Lys Asp Asn Gly
184          50          55          60
185 Lys Pro Pro Thr Leu Val Thr Ser Met Ile Asp Tyr Asn Met Pro Ile
186 65          70          75          80
187 Thr Met Ala Tyr Met Lys His Met Lys Leu Gln Leu Leu Asn Ser Gln
188          85          90          95
189 Gln Asp Glu Asp Glu Ser Ser Ile Glu Ser Asp Glu Phe Asp Met Ser
190          100          105          110
191 Asp Ser Thr Arg Met Ser Ala Val Asn Ser Asp Leu Ser Ser Asn Leu
192          115          120          125
193 Glu Glu Arg Met Gln Ser Pro Gln Asn Leu His Gly Gln Gln Asp Asp
194          130          135          140
195 Asp Ser Ala Ala Glu Ser Phe Asn Gly Asn Glu Thr Leu Gly His Ser
196 145          150          155          160
197 Ser Ile Ala Ser Gly Gly Thr His Ser Arg Glu Met Gly Asp Ser Asn
198          165          170          175
199 Ser Asp Gly Lys Thr Gly Leu Glu Gln Asp Glu Gln Pro Leu Asn Leu
200          180          185          190
201 Ser Asp Ser Pro Leu Ser Ala Gln Leu Thr Ser Glu Tyr Arg Ile Asp
202          195          200          205
203 Asp His Asn Ser Asn Gly Lys Asn Lys Tyr Lys Asn Leu Leu Ile Ser
204          210          215          220
205 Asp Leu Lys Met Glu Arg Glu Ala Arg Glu Asn Gly Ser Lys Ser Pro
206 225          230          235          240
207 Ala His Ser Tyr Ser Ser Tyr Asp Ser Gly Lys Asn Glu Ser Val Asp
208          245          250          255

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```

209 Arg Gly Ala Glu Asp Leu Ser Leu Asn Arg Gly Asp Glu Asp Glu Asp
210          260          265          270
211 Asp His Glu Asp His Asp Asp Ser Glu Lys Val Asn Glu Thr Asp Gly
212          275          280          285
213 Val Glu Ala Glu Arg Leu Lys Ala Phe Asn Met Phe Val Arg Leu Phe
214          290          295          300
215 Val Asp Glu Asn Leu Asp Arg Met Val Pro Ile Ser Lys Gln Pro Lys
216 305          310          315          320
217 Glu Lys Ile Gln Ala Ile Ile Asp Ser Cys Arg Arg Gln Phe Pro Glu
218          325          330          335
219 Tyr Gln Glu Arg Ala Arg Lys Arg Ile Arg Thr Tyr Leu Lys Ser Cys
220          340          345          350
221 Arg Arg Met Lys Arg Ser Gly Phe Glu Met Ser Arg Pro Ile Pro Ser
222          355          360          365
223 His Leu Thr Ser Ala Val Ala Glu Ser Ile Leu Ala Ser Ala Cys Glu
224          370          375          380
225 Ser Glu Ser Arg Asn Ala Ala Lys Arg Met Arg Leu Glu Arg Gln Gln
226 385          390          395          400
227 Asp Glu Ser Ala Pro Ala Asp Lys Gln Cys Lys Pro Glu Ala Thr Gln
228          405          410          415
229 Ala Thr Tyr Ser Thr Ser Ala Val Pro Gly Ser Gln Asp Val Leu Tyr
230          420          425          430
231 Ile Asn Gly Asn Gly Thr Tyr Ser Tyr His Ser Tyr Arg Gly Leu Gly
232          435          440          445
233 Gly Gly Leu Leu Asn Leu Asn Asp Ala Ser Ser Ser Gly Pro Thr Asp
234          450          455          460
235 Leu Ser Met Lys Arg Gln Leu Ala Thr Ser Ser Gly Ser Ser Ser Ser
236 465          470          475          480
237 Ser Asn Ser Arg Pro Gln Leu Ser Pro Thr Glu Ile Asn Ala Val Arg
238          485          490          495
239 Gln Leu Val Ala Gly Tyr Arg Glu Ser Ala Ala Phe Leu Leu Arg Ser
240          500          505          510
241 Ala Asp Glu Leu Glu Asn Leu Ile Leu Gln Gln Asn
242          515          520
244 <210> SEQ ID NO: 4
245 <211> LENGTH: 586
246 <212> TYPE: PRT
247 <213> ORGANISM: Homo sapiens
249 <400> SEQUENCE: 4
250 Met Asn Pro Thr Asn Thr Val Phe Asp Ala Lys Arg Leu Ile Gly Arg
251 1          5          10          15
252 Arg Phe Asp Asp Ala Val Val Gln Ser Asp Met Lys His Trp Pro Phe
253          20          25          30
254 Met Val Val Asn Asp Ala Gly Arg Pro Lys Val Gln Val Glu Tyr Lys
255          35          40          45
256 Gly Glu Thr Lys Ser Phe Tyr Pro Glu Glu Val Ser Ser Met Val Leu
257          50          55          60
258 Thr Lys Met Lys Glu Ile Ala Glu Ala Tyr Leu Gly Lys Thr Val Thr
259 65          70          75          80

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VERIFICATION SUMMARY

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